MISKARLI, A.K.

JSSR/Chemistry of Colloids - Dispersed Systems.

B-14

Abs Jour

: Referat Zhur - Khimiya, No 6, 1957, 18783

Author

: A.K. Miskarli, T.G. Gasanova.

Inst

: Andemy of Sciences of Azerbaijan SSR.

Title

: Stracture - Mechanical Properties of Clayey Solutions and

Tarir Dependence on Mineralogical Composition and

Co. loidal-Cherical Nature of Clays.

Orig Pub

: Me'ruzeler AzerlSSR elmler Akad., Dokl. AN AzerbSSR,

1956, 12, No 9, 629-638

Abstract

: The comparative study of properties and composition of Malinskaya (I) and Zykhskaya (II) clays showed that I is a highly colloidal sodium clay and that II is a little colloidal calcium clay. The specific surface determined by the method of methylene blue adsorption of I is 231, and that of II is 93 eq.m/6. I is distinguished by a considerably greater avelling in distilled water (833% against 300% of II). The swelling of I in sea

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- 338 -

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MISKARLI, A.K.: ZEMLYANSKAYA, V.Ya.; GASANOVA, T.G.

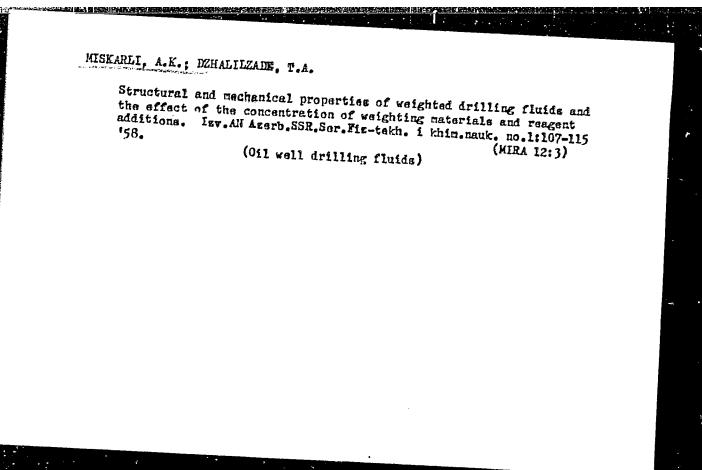
Analyzing an alkaline solution of pomegranate rind as a new resgent for treating drilling muds. Azerb. neft. khoz. 36 no.5:10-11 My *57. (Pomegranate) (Oil well drilling fluids) (MIRA 10:11)

MISKARLI, A.K.; ZEMLYANSKAYA, V.Ya.

New preparations for obtaining superweighted drilling muds.

Azerb. neft.khoz. 36 no.9:12-14 5 '57. (MIRA 11:2)

(Oil well drilling fluids)



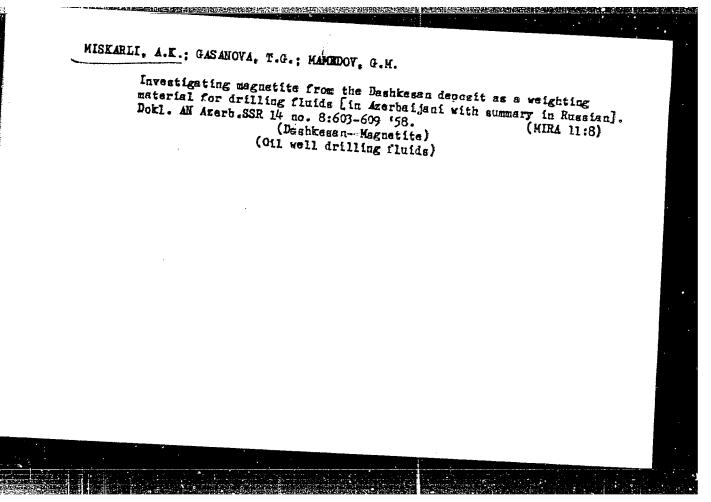
APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134710008-6"

MISKARLI, A.K.; ZEMLYANSKAYA, V.Ya.

Imprevement of the method of producing heavier stabilized drilling muds for drilling wells under complicated conditions. Izv. AN Azerb. SSH. Ser. fiz.-tekh. i khim. nauk ne.5:97-107 '58.

(Oil well drilling fluids)

(MIRA 12:1)



AUTHORS:

Miskarli, A.K., Gasanova, T.G.

69-58-2 -10/23

TITLE:

The Structural-Mechanical Properties of the Clay Suspensions Employed Under Difficult Drilling Conditions (O strukturno-mekhanicheskikh svoystvakh glinistykh suspensiy, primenya-pemykh v oslozhnennykh usloviyakh bureniya)

PERIODICAL:

Kolloidnyy zhurnal, 1958, Vol XX, Nr 2, pp 184-193 (USSR)

ABSTRACT:

The technological properties of clay solutions determine to a high degree the drilling speed in the turbine drilling of oil and gas wells. In this article, the dependence of stricture formation in concentrated clay suspensions on their mineralogical composition, the chemical composition of the exchange complex, the colloidal-chemical nature of the clays, and on the form, concentration, and fractional composition of the weighting compounds, is studied. The clays used were Gekmalinsk sodium bentonite clay and Zykh hydromica-calcium caolinite clay, both of which are characteristic of the Apsheron Peninsula. The specific surface of Gekmalinsk clay and of Zykh clay 93 m²/s. The swelling in clay 286 %. The hydroscopic ability of the clays measured by adsorption of water vapors is 27.7% for Gekmalinsk clay

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69-58-2 -10/23

The Structural-Mechanical Properties of the Clay Suspensions Employed

and 12.1 % for Zykh clay. Table 1 shows the composition of the exchange complex in the two clays. The volume of the complex in Gekmalinsk clay is nearly 3 times larger than that of Zykh clay. The mentioned facts indicate that highly colloidal sodium clays, (Gekmalinsk) exhibit hydrophylia properties in a higher degree than the less colloidal calcium clays, (Zykh). Investigation of the aging process shows that during the first 3 hours the resistance of the structure increases considerably (figure 2). An increase of the clay concentration from 10-15 % increases the resist. ance of the structure in the suspensions by 2.2 times. Table 3 shows the limit values for the shear stress in clay suspensions. The relation between mineralogical composition, colloidal-chemical nature, and the processes of structure formation, is very pronounced. Clay solutions are mixed with weighting compounds, especially for use in complex geological conditions. The weighting compounds influence rheological and colloidal properties of the clay solutions. The chemical composition of the weighting compounds is

Card 2/4

69-58-2 -10/23

The Structural-Mechanical Properties of the Clay Suspensions Employed

given in table 5, their characteristics in table 4. Figure 6 shows that clay solutions containing various concentrations of limestone have only a low structure resistance which permits the increase of carbonate rock concentrations in the clay suspensions. In this way, high-quality clay weighting compounds may be obtained with a specific gravity of 1.7 to 1.85. Disperse materials which may be recommended as weighting compounds for clay solutions, should have a low affinity to water, hydrophobic nature, and a low structure. forming ability owing to the isodiametric form of the par-There are 6 graphs, 5 tables, and 17 Soviet references.

Card 3/4

CIA-RDP86-00513R001134710008-6" **APPROVED FOR RELEASE: 06/14/2000**

The Structural-Mechanical Properties of the Clay Suspensions Employed Under Difficult Drilling Conditions 69-58-2 -10/23 ASSOCIATION:

Institut khimii AN Azerbaydzhanskoy SSR, Baku (Institute of Chemistry of the Azerbaydzhan SSR, Baku) SUBMITTED:

February 9, 1957

1. Oil wells--Drilling--USSR cations 3. Clay-Mechanical properties 2. clay--Suspensions--Appli-

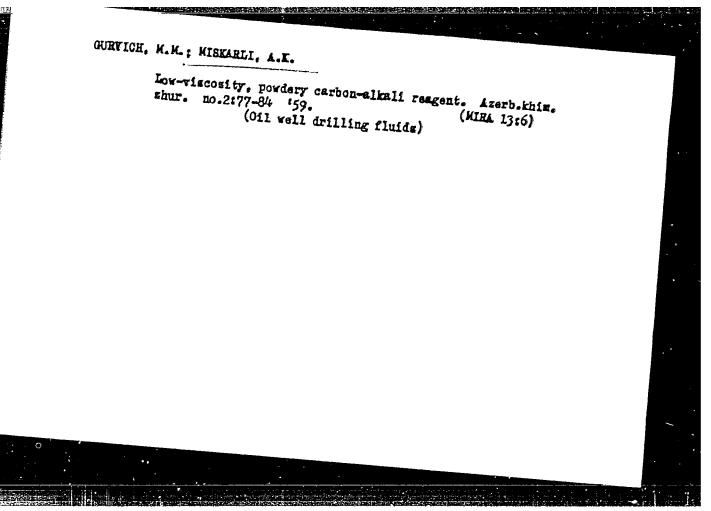
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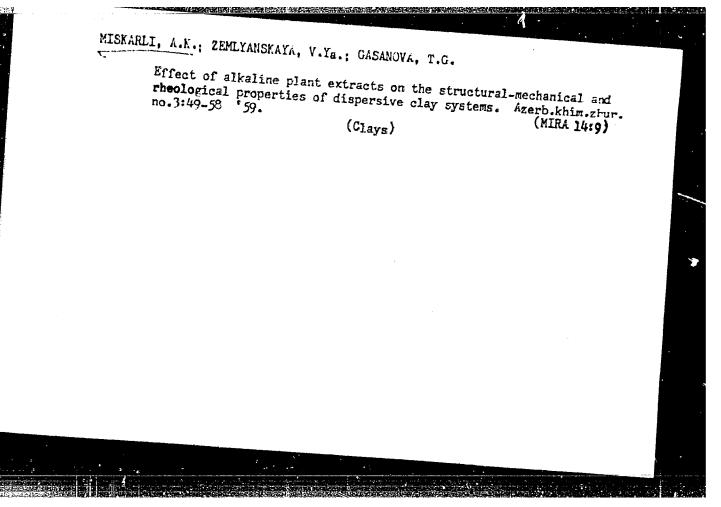
MISKARLI, A.K.; GASAROVA, T.G.; ZEHLYANSKAYA, Y.Ya.

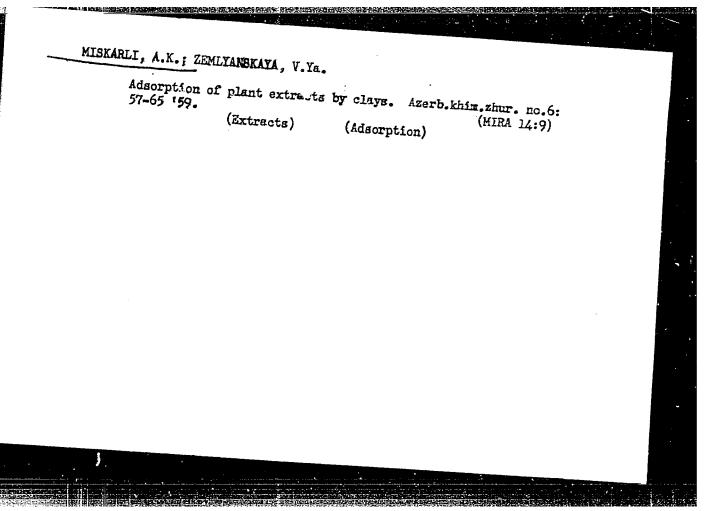
New reagents for the chemical processing of clay suspensions from industrial vegetable wastes. Aserb. neft. knoz. 37 no.9:13-17 S *58.

(Chemical tests and reagents) (Oil well drilling fluids)



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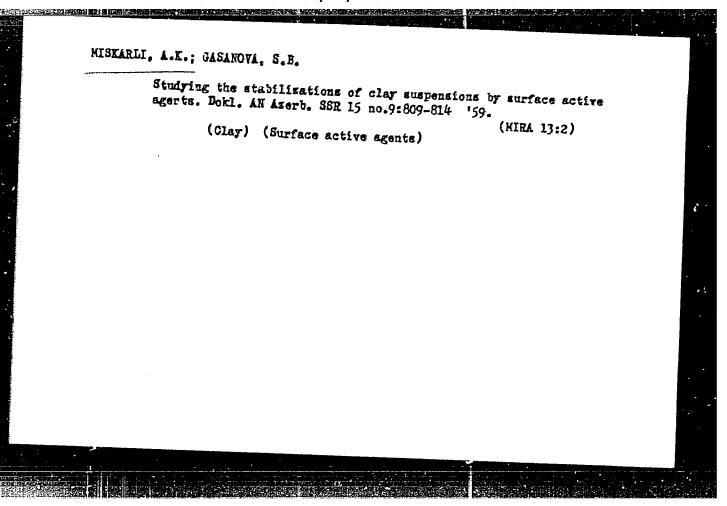
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MISKARLI, A.K.: BATRAMOV, A.K.

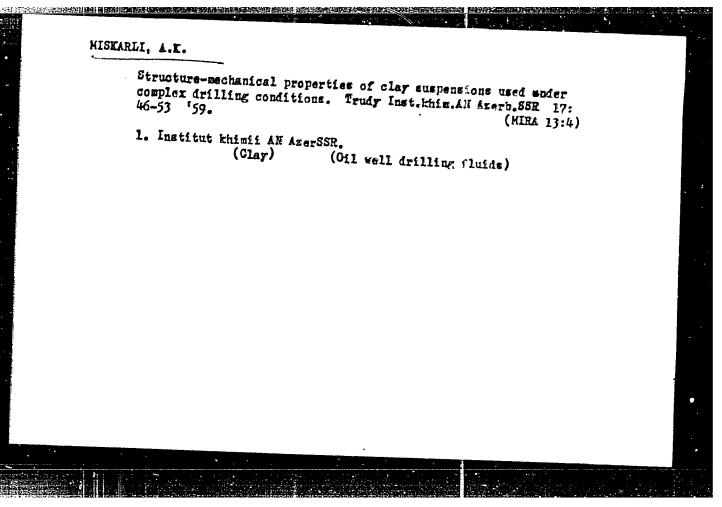
Studying the stabilization of clay suspensions by sodium salts of monobacic organic acids of the aliphatic series. Dokl.AM Azerb.

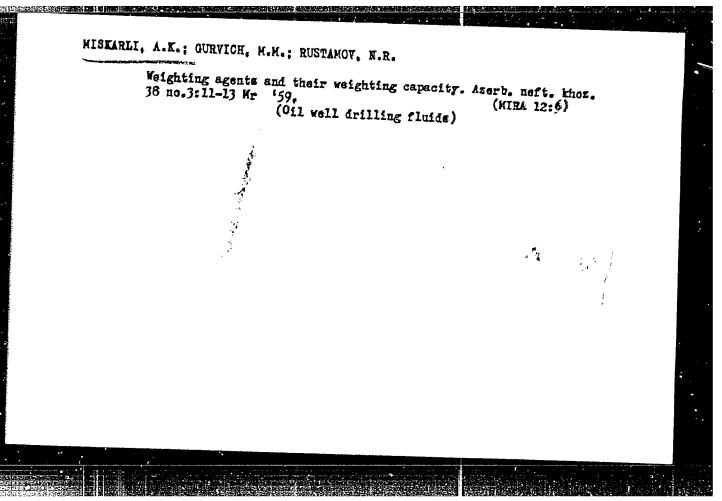
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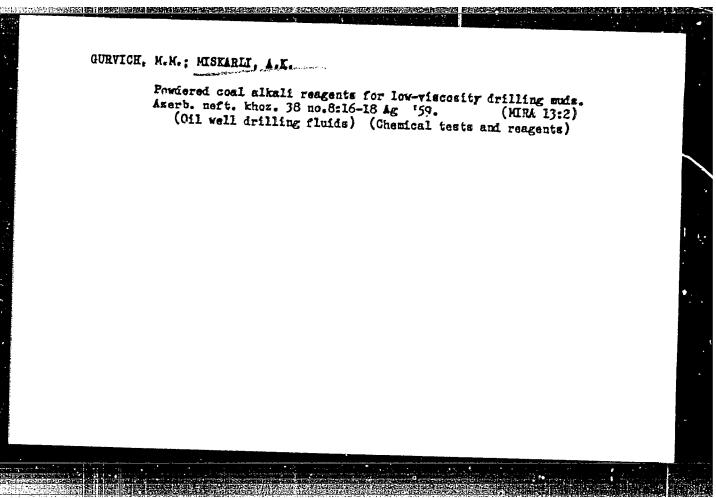


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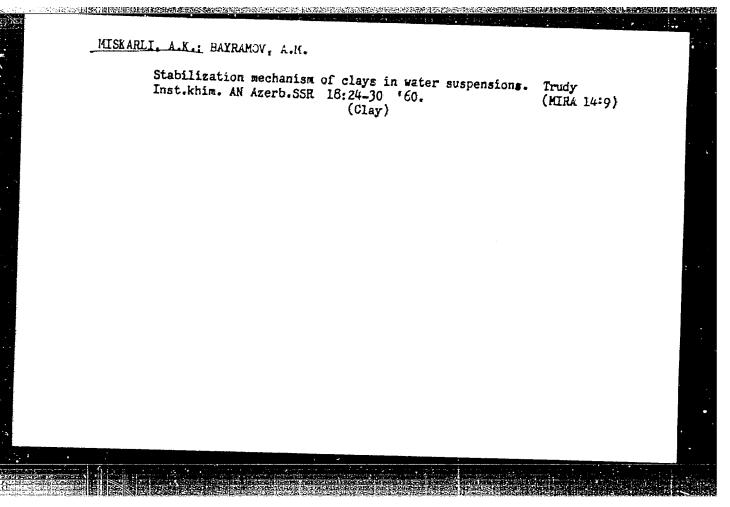


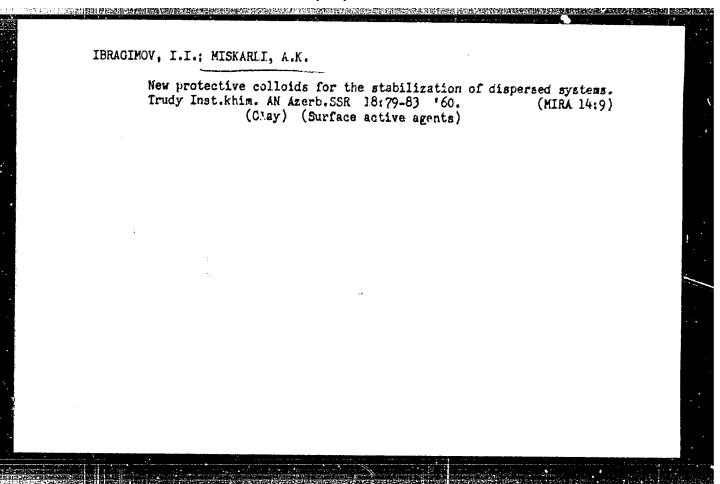
GURVICH, M.M.; MISKARLI, A.K., doktor tekhn. nauk, prof., red.; KOSTYUKOVSKAYA, Ye., red. izd-va; ISMAILOV, T., tekhn. red.

[Carbon alkali reagent used in oil well drilling] Issledovanie ugle-shchelochnogo reagenta, primeniaemogo v neftianom burenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1960. 156 p. (HIRA 1416) (Oil well drilling fluids)

MISKARLI, A.K.; GURVICH, M.M.; ABDURAGIMOVA, L.A.

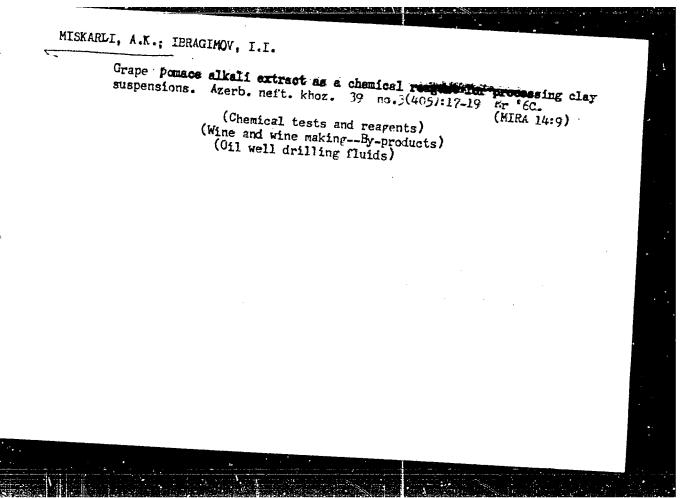
Colloidochemical method of preventing water filtration through porous (sandy) soils of irrigating systems. Azerb.khim.zhur. no.2:103-106 60. (MTA 14:8)





MISKARLI, A.K.; ZEMLYANSKAYA, V.Ya.; GASAHOVA, T.G.

New protective colloids for the stabilization of clay systems.
Trudy Inst.khim. AN Azerb.SSR 18:84-89 '60. (KIRA 14:9)
(Clay) (Suspensions (Chemistry))

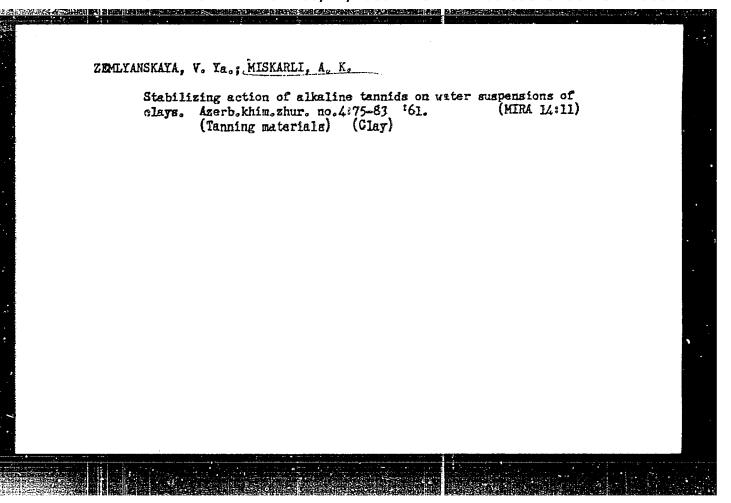


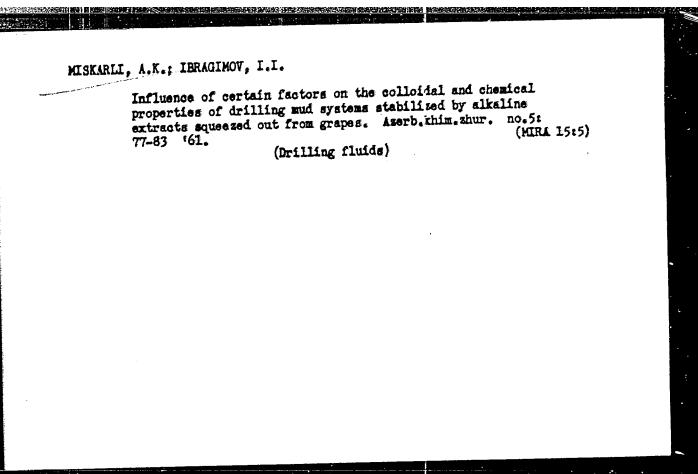
Mechanism of the stabilizing action of surface-active agents on polydisperse systems. Report No.3: Effect of amino acids

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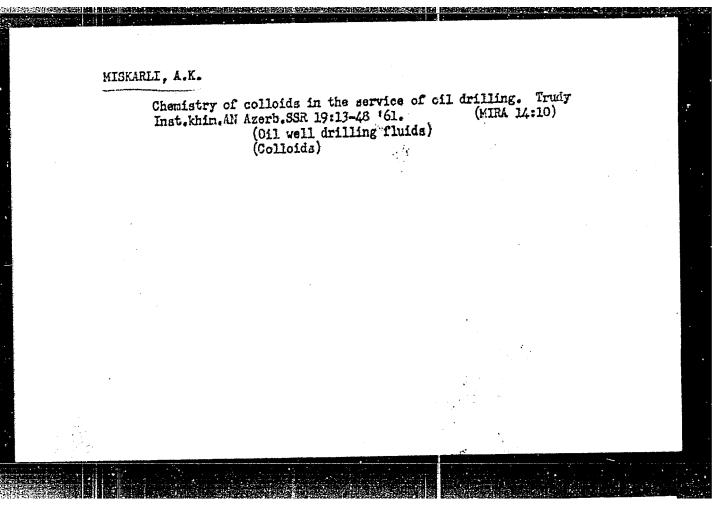
and their sodium salts on the structural and mechanical properties of clay suspensions. Azerb. khim.zhur. 10.3:83-90 '61. (MIRA 14:11)

(Amino acids) (Clay)





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EAYRAMOV, A.M.; MISKARIL, A.K.

Investigating the possible use of alkali extracts from a tobacco plant as protective colloids for disperse clay systems. Trudy Inst.khim. M Azerb.SSR 19:F9-96 '61.

(Tobacco)
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MISKARLI, A.K.; ZEMLYANSKAYA, V.Ya.

Results of testing a new powerded chemical reagent of vegetable orgin. Azerb. neft. khoz. 40 no.1:22-23 Ja 161.

(Surface active agents) (MIRA 14:8)

PHASE I BOOK EXPLOITATION SOV/6195

Nauchnaya konferentsiya institutov khimii Akademiy nauk Azerbaydshanskoy, Armyanskoy i Gruzinskoy SSR, Yerevan, 1957.

Materialy nauchnay konferentsii institutov khimii Akademiy nauk Azerbaydshanskoy, Armyanskoy i Gruzinskoy SSR (Materials of the Azerbaydshanskoy, Armyanskoy i Gruzinskoy SSR (Materials of the Azerbaydshanskoy, Armyanskoy SSR, Institutes of the Academies Scientific Conference of the Chemical Institutes of the Academies of Solences of the Azerbaydshan, Armenian, and Georgian SSR) Yerevan, Izd-vo AN Armyanskoy SSR, 1962. 396 p. 1100 copies printed.

Sponsoring Agency: Akademiya nauk Armyanskoy SSR. Institut organicheskoy khimii.

Resp. Ed.: L. Ye. Ter-Minasyan; Ed. of Publishing House: A. G. Sikuni; Tech. Ed.: G. S. Sarkisyan.

PURPOSE: This book is intended for chemists and chemical engineers, and may be useful to graduate students engaged in chemical research.

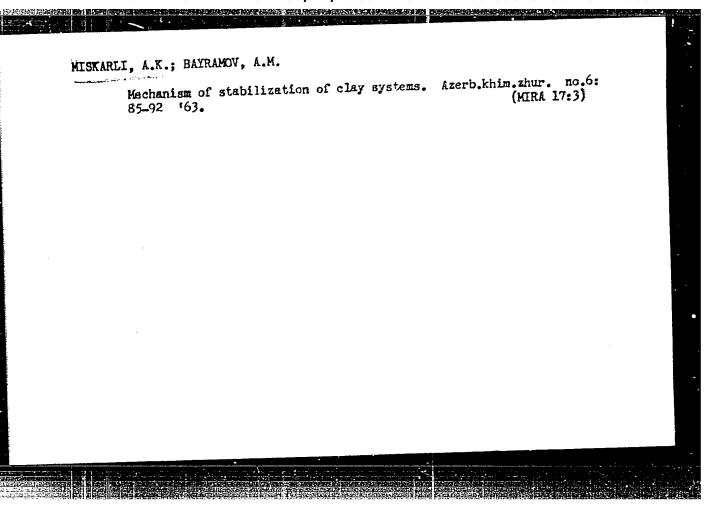
COVERAGE: The book contains the results of research in physical, inorganic, organic, and analytical chemistry, and in chemical inorganic, organic, and analytical chemistry, and in chemical engineering, presented at the Scientific Conference held in engineering, presented at the Scientific Conference held in engineering, presented at the Scientific Conference held in References accompany individual erticles.

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ZEMLYANSKAYA, V.Ya.; MISKARLI, A.K.

Effect of the surface-active addition agents on the bound water content of aqueous dispersions of kaolinite clay. Azerb.khim.zhur. no.4:125-130 (MIRA 17:2) 163.



好的数据,我们还可以开发的名字,不是是不是一个人。 第15章 "我们是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就

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Colloid and chemical method of controlling the flow of water in bound (clay) soils in irrigation systems. Dokl. AN Azerb. SSR 19 no.4:23-26 '63. (MIRA 16:12)

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Effect of the sodium salts of some organic aclis on the colloidel and chemical characteristics of aqueous clay dispersions. hourzaur. (MIRA 17:10) 25 no.3:341-347 My-Je 163.

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Effect of sodium salts of some amino and hydroxy acids on the heat resistance of aqueous suspensions of kaolinite clays. Dokl. AN Azerb. SSR 20 no.12:9-14 '64. (MIRA 18:4)

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Effect of heat treatment on the adsorption of sodium salts of certain organic acids by kaolinite clay. Azerb. khim. zhur. no.1:83-87 '65. (MIRA 18:7)

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Effect of the cation exchange complex of a surface-active medium on the dispersity of cacilinite clay suspensions.

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[New surfactents for oil well drilling] Novye poverkhnostno-aktivnye reagenty dlia neftianogo baleniia.

Baku, Izd-vo AN Azerbaidzhan.SSR, 1964. 162 p. (MIRA 17:12)

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Effect of a surface-active medium on the thermostability of aqueous dispersions of kaolinite clay. Dokl. AN Azerb. SSR 20 no.9:17-22 *64. (MIRA 18:1)

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Professor A.N. Tregubov; obituary, Gig. 1 san. 21 no.10;63 O '56.
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Radioisotopic tests at the Vogelbusch lye distillation stations. Koh lap 96 no.12:566-571 D 463.

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BUJDOSO, Erno, dr.; MISKEI, Mihaly; ORMOS, Gyorgy

Examination of the behavior of zinc by radioactive isotopes during the stirring process of aluminate lyes. Koh lap 97 no.31146-148 Mr*64

1. Femipari Kutato Intezet, Budapest.

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Busiceso, Erno, dr.; MISKEI, Minaly; GRMCE, Gyorgy

Testing the continuous precipitation of aluminate lye by radicactive isotopes. Koh lap 97 no.9:419-422 S *64.

1. Research Institute of the Metal Industry, Budapest.

L 34216-66 RM/DS SOURCE CODE: HU/0014/66/000/003/0138/0140	
AUTHOR: Bujdoso, Erno (Doctor); Kiskei, Hihaly; Ormos, Gyorgy	
ORG: Research Institute for the Metal Industry, Budapest (Pemipari Kutato Inteset)	
TITLE: Purification of radioactive isotope Zn-65 with ion-exchange chromatography	
SOURCE: Kohassati lapok. no. 3, 1966, 138-140	
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1.42 (Fe), 2.48.79	(Femipari Kutato Intezet) In Budapest.	
	Budapest, Kohaszati Lapok, Vol 99, No 6, Jun 1966, pp 281-283.	
THE RESERVE THE PARTY OF THE PA	Abstract: The separation technique described employs radioactive tracer isotopes for the purposes of activation-analytical methods. The separation tiself involves extraction with isopropyl ether and ion-exchange thromatography using Varion AP resin in 0.2 - 0.063 mm. particle size chromatography using Varion AP resin in 0.2 - 0.063 mm. particle size in a 8-m. by 18-cm. column. The instruments and techniques involved were in a 8-m. by 18-cm. column. The instruments and techniques involved were described and some results obtained were presented and discussed. The method is convenient and accurate. Orig. art. has: 5 figures and 2 tables. [JPRS:36]	367)
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AUTHORS: Stolyarova, Ye.L., Chukhin, S.G., Konstantinov, I. Ye., Mis'kevich, A.I.

Investigation of the angular-spectrum distributions of scattered Y-TITLE:

radiation in protective barriers in the case of a plane single-directional

source.

Moscow. Inzhenerno-fizicheskiy institut. Pribory i metody analiza SOURCE:

izlucheniy. no.3. 1962, 15-36.

A theoretical and experimental approach is undertaken to obtain systemstic knowledge on the process of transition of y-rays through protective barriers of finite dimensions and not, as heretofore, through a homogeneous and infinite medium from an isotropic punctuate source or from a plane directional source. The process is characterized in terms of the y-quanta flux density N(r, \Omega, E), customarily termed the angular energy distribution of the radiation. The function N permits a determination of a number of important characteristics of a multiply scattered radiation, such as: (1) The energy-intensity spectrum; (2) the angular intensity distribution; (3) the energy-accumulation (storage) factor. A review is made of existing experimental investigations reported by 5 Western and 2 Soviet group of authors. The present investigation comprises measurements with scintillation-type y-spectrometers of the angular energy distributions at points lying in the far (downstream)

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Investigation of the angular-spectrum distributions... S/796/62/000/003/002/019

boundary plane of a barrier. Co60 sources were used with Al, Fe, and Pb media. Angular intensity distributions of the scattered y-radiation were obtained, and a comparison was made between the differential y-ray energy spectra obtained with an Al barrier of a thickness $\mu_0 d=1$ and 3.8 and those obtained theoretically for an infinite geometry. The desired function N depends on the barrier thickness, the angle θ between the direction of the primary γ quanta and the direction of the scattered y quanta near the given point, and on the energy E of the scattered y quanta. The experimental equipment used, consisting of a fixed NaI(T1) crystal, 70x48 mm, and a rotatable source-and-barrier rig, is described. The spectrometer effectiveness, its resolution, and details of the photoamplifier and the 100channel pulse-amplitude analyzer ("Raduga") are reported. The barrier dimensions were 75x75 cm. The plane, single-directional Co60 source was simulated by a punctuate source located at a fairly great distance (to obtain nearly uniform radiation intensity on the barrier). Experimental results and data-processing methods. The amplitude distribution of the impulses was measured for a finite number of scattering angles. Corrections were introduced to obtain a true γ -ray spectrum: 1. The "dead" time of the spectrometer, which was a specific defect of the 100-channel amplifier employed, in which the "dead" time was a function of the amplitude of the input impulse. 2. The background, obtained by subtracking the impulse spectrum found by closing the detector collimator with a lead rod from the impulse spectrum

Card 2/4

Investigation of the angular-spectrum distributions... S/796/62/000/003/002/019

measured with the collimator open. 3. The true y-quantum spectrum as obtained from the measured impulse-amplitude distribution. The solution of the integral equation involved in this problem has been accomplished variously (Liden, X., et al., Arkiv 18: Fys., no. 7, 1954, 5; Whyte, G.N., NBS Report no. 1003, 1952) and is here performed by transforming the integral equation into a system of interrelated linear equations. The method of this analysis of the spectrum, including the determination of the matrix elements required therefor and the construction of the matrix, is explained in detail. 4. The spectrometer-effectiveness correction, including the effectiveness of the spectrometer at the photopeak, i.e., the ratio of the number of impulses at the photopeak by the number of γ -quanta that impinge on the crystal, and the correction for the effective solid angle of the collimator. 5. The energyresolution correction. The results of the measurements are set forth. It was found that all angular energy distributions of the scattered y-radiation, regardless of the atomic number Z and the angle θ , have a maximum that corresponds to the energy of single scatter over a minimal angle. The shape of the angular energy distribution indicates that the energy-dissipating role of multiple scatter increases with increasing angle θ and decreasing atomic number Z of the medium. Substantial differences between experimental and theoretical spectra occurred for low energies only; this is attributed to the lack of backscatter with real barrier geometry. In the low-energy range an atomic-number-dependent multiple-scatter

Card 3/4

Investigation of the a	ingular-spect	rum distri	outions	S/796/6 higher enc	2/000/003	/002/019	
ing atomic numbers ution was confirmed of Al and the theore aqueous medium (O There are a figures language). ASSOCIATION: Non	A compari- stically calcu- oldstein, H., and 11 refer	son was malated spect. St al., U.S ences (3) Ru	ide between of Y-	adiat'on see Legort no.	attered in a 40, 1954, et and 8 E	n infinite 3075).	
*Abstracter's note:	Presumably	y AEC Repo	ort NYO-3	075, 1954.			
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s/089/62/012/002/003/013 B102/B138

26,2244

Zvonov, N. V., Mis'kevich, A. I., Rogozhkin, I. V., Tereshchenko, V. I., Turkov, Zh. I., Utkin, V. P. AUTHORS:

TITLE:

Fast neutron energy spectrum and thermal neutron flux distribution in the experimental hole of a BBP (VVR) reactor

PERIODICAL: Atomnaya energiya, v. 12, no. 2, 1962, 116 - 122

TEXT: Threshold reactions, leading to formation of gamma-active nuclei, were used to study neutron spectra. A scintillation counter with NaI(T1) crystal, 43y-13 (FEU-13) photomultiplier and a 100-channel pulse-height analyzer was used to record gamma-radiation. Al, Fe, Si, Ti, Ni, Co, Mg, Zn, and Cu were used as indicator elements for (n,p) reactions, Al for (n,α) reactions and In, Hg, Pb, Ag, and Ba for inelastic (n,n') reactions in which longlife (> 1-2 min) metastable levels are formed. Low threshold energy is typical of this kind of reaction. For In 115(n,n') it is 335 kev. The usual threshold indicator technique was used. The spectral distribution of neutrons was determined from the equations

Card 1/3

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710008-6"

33232 S/089/62/012/002/003/013 B102/B138

Fast neutron energy spectrum...

 $A_{i} = \int_{E_{thr}^{i}}^{\sigma_{act}} (E) \sigma_{act}^{i}(E) dE, i = 1,2...n; i \text{ is the indicator index, n the}$

number of indicators, $\Phi(E)$ flux of neutrons of given energy, $\sigma_{act}(E)$ activation cross section, E_{thr} threshold energy. If the real cross section $\sigma_{act}^{i}(E)$ is substituted by an ideal one, at a certain threshold E_{eff}^{i} there will be a jump from zero to σ_{0}^{i} and $A_{i} = \sigma_{0}^{i}$ $\Phi(E)$ dE is obtained. σ_{0}^{i}

and $E_{\rm eff}^i$ may be chosen arbitrarily if only the upper equations are fulfilled. σ_0^i was taken as the mean of $\sigma_{\rm act}^i(E)$ and $E_{\rm eff}^i$ was determined from these equations. The effective thresholds $E_{\rm eff}$, effective cross sections $\sigma_{\rm c}$ and integral neutron fluxes for $E > E_{\rm eff}$, 100 kw and a channel width of 130 mm were calculated numerically. The thermal neutron flux distributions were measured vertically and radially by means of a plate (4.5 mm) and a Card 2/5

33232 \$/089/62/012/002/003/013 B102/B158

Fast neutron energy spectrum...

disc (19 mm). The neutron flux in the center of the channel was measured at the level of the middle of the core with a Gu foil of 0.1415 g/cm² with an empty channel width of 130 mm and 100 kw the flux was 4.5-1011 n/cm²-sec. Comparison with other results shows that the same dependence of thermal neutron flux on core distance obtains for both water and concrete. There are 5 figures, 1 table, and 18 references: 3 Soviet and 15 non-Soviet. The four most recent references to English-language publications read as follows: W. Meinke. Nucleonics, 17, No. 9, 86, 1959; P. Kruger. Nucleonics, 17, No. 6, 116, 1959; R. Bullock, R. Moore, Phys. Rev. 119, No. 2, 721, 1960; R. Rochlin. Nucleonics, 17, No. 1, 54, 1950

SUBMITTED: April 25, 1961

Cond only

LYUKSEMBURG. Roza: MIS*KEVICH. L.R., mladshiy nauchnyy sotrudnik [translator]; CHEKHUTOVA, V., red.; NIZHNYAYA, S., red.; CHEFELEVA, O., tekhn.red.

用性的,使用的,他们也是不是一种的。他们也是一个人的人,他们也不是一个人的人,他们也是一个人的人,他们也不是一个人的人,他们也是一个人的人,他们也是一个人的人的

[Introduction to political economy] Vvedenie v politicheskuiu okonomiiu. Koskva, Izd-vo sotsial no-ekon.lit-ry, 1960. 324 p. Translated from the German. (HIRA 13:8)

1. Institut marksizma-leninizma pri TSentral'nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Mis'kevich).

(Kconomics)

24,5600

37862 5/056/62/042/005/005/050 B125/B108

AUTHORS:

Batrakov, G. F., Mis'kevich, O. R., Troynar, Ye.

TITLE:

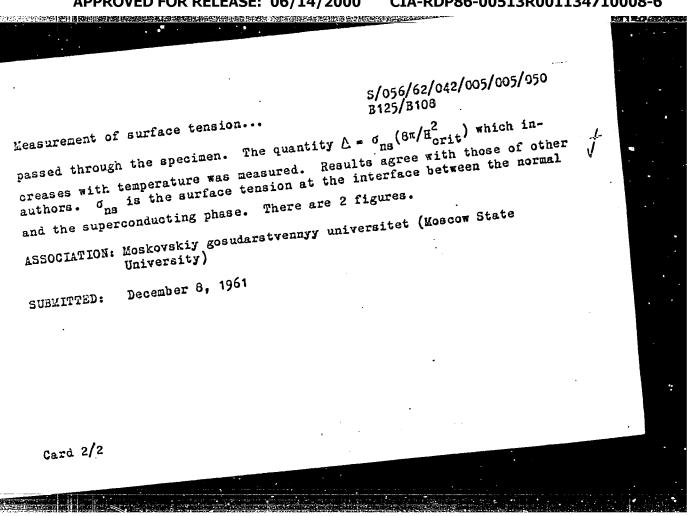
Measurement of surface tension between the superconducting

and the normal phase

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,

no. 5, 1962, 1171 - 1172

TEXT: The surface tension was determined in tin at the interface between the superconducting and the normal phase. For this purpose, the period of the regular structure of the intermediate state in a transverse magnetic field at various temperatures was measured. According to L. D. Landau (ZhETF, 7, 371, 1937), normal and superconducting phases alternate in the said structure. The magnetic field structure was measured with ferromagnetic powder and with bismuth micrometric instruments on the surface of three tin single crystals and inside a 100 μ wide slit. In all experiments, the intermediate state was produced by reducing the temperature and subsequently increasing the magnetic field to 0.9 Hcrit. The experimental results became clearer and more regular when a slight current Card. 1/2



MISKEY, K.

Jeno Faller's A magyar banyagepesites uttorol a IVIII. szazadban (Hungarian Pioneers of Mechanization in Mining in the 18th Century); a book review. P. 420 Vol. 13, no. t, 1954, Budapest, Hungary KOZLEMENYEI

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No.3, March, 1956

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	L 1173-66 ENT (m) DIAAP. ACCESSION NR: AT5025207 HU/2502/64/042/004/0433/0446	
	AUTHOR: Buidoso, Erno (Buydosho, E.)(Doctor)(Budapest); Medwedev, Wladimir (Wolforder, W.)(Budapest); Miskey, Mihaly (Mishkei, M.)(Budapest)	
	Threatigation of a liquor-evaporating apparatus of the vogerbusch type	
	by the radioactive isotope technique by the radioactive isotope technique SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 42, no. 4, 1964, 433-446	
•	TOPIC TAGS: radio isotope, liquid flow, flow rate, heat transfir, thomselves	
	Abstract: [German article] The flow of liquid in a four-stage vogetous: type evaporator was followed with the aid of radioactive isotopes. The	
	experiments included runs with clear riquids level height, and the heat lationship between the flow rate, the liquor level height, and the heat lationship between the flow rate, the liquor level height, and the heat	•
	the mixing coefficient and the time and 3 tables.	
· 	Orig. art. has 1) lightes, 6 lormatic for Nichteisermetalle, 3udapest (Research Institute ASSOCIATION: Forschungsinstitut fur Nichteisermetalle, 3udapest (Research Institute for Non-Ferrous Metals) ENCL: 00 . SUB CODE: GC, NP	
	SUBMITTED: 17Dec63 NO REF SOV: 000 OTHER: 004 JPRS Card 1/1	

MISKI, Karoly (Budapest)

Utilisation of the Pecs mine methane. Kem tud kosl MTA 16 no.1:133

'61.

1. Vegyimuveket Tervezo Vallalat, Budapest.

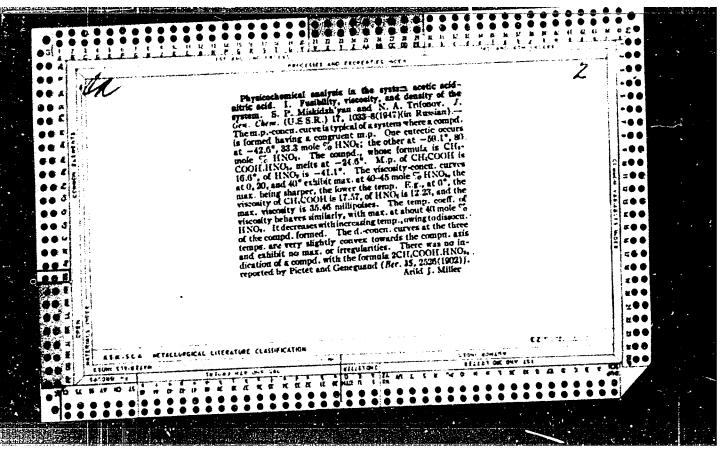
(Methane) (Hungary—Mines and mineral resources)

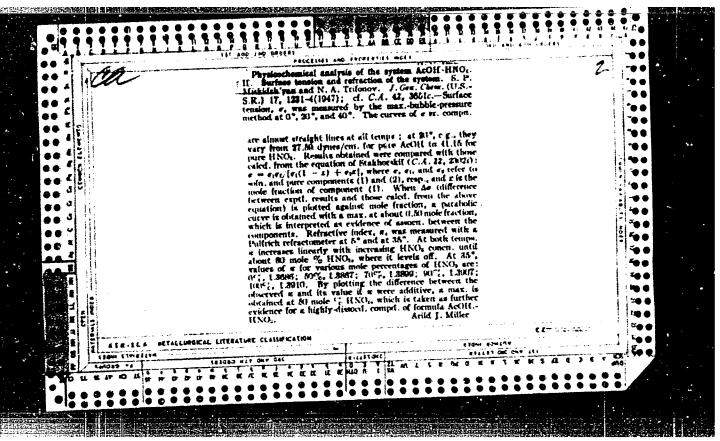
MISKI, Karoly, okleveles vegyeszmernok; BAUKANN, Jozsef; BUNYITAI,
Janos, dr.; MORY, Bela, dr.; CALAMBOS, Istvan

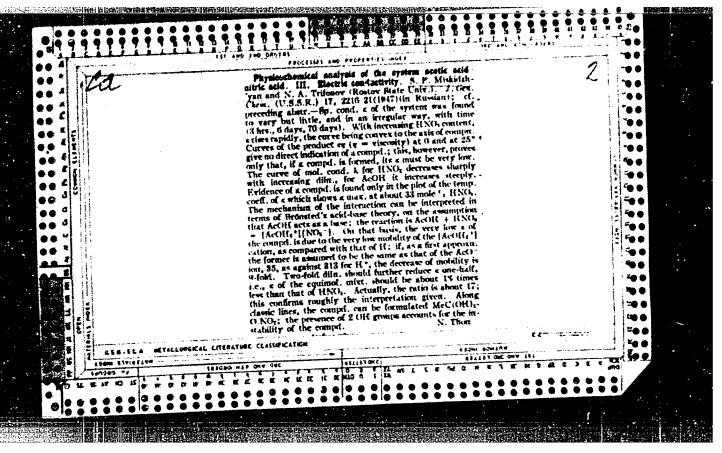
Significance of the hydrocarbon-based town gas production
in Hungary. Energia es atom 17 no.1t15-17 Ja'64.

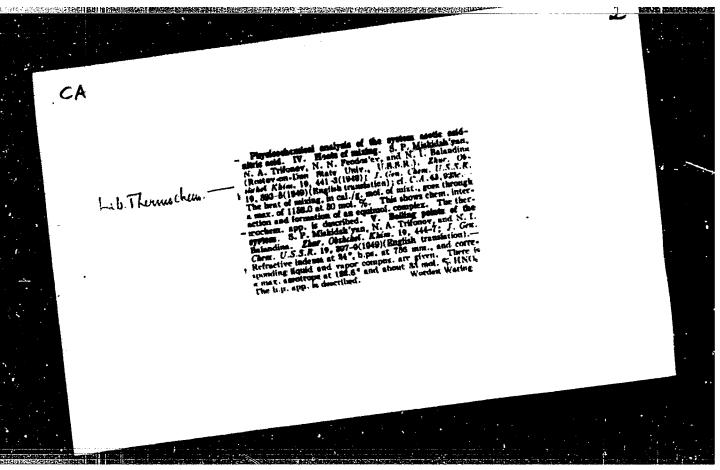
1. Vegyimuveket Tervezo Vallalat (for Miski). 2. Soproni
Gazgyar (for Baumann). 3. Orszagos Koolaj- es Gazipari Troszt
(for Hunyitai). 4. Szegedi Gazgyar (for Galambos).

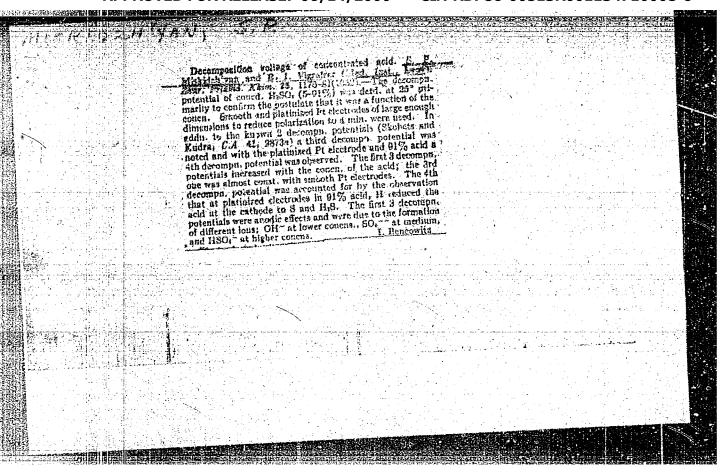
L 38332-66 EWT(d)/T IJP(c) SOURCE CODE: CZ/0045/66/000/	001/0045/0052
ACC NRI REGULTITO	24 B
AUTHOR: Miski, Ladislav (Bratislava)	_ :
ORG: CSAV: Mathematics Instituto, SAV, Bratislava (Matematicky ustav, S	WA)
TITIE: Darboux property for functions	
SOURCE: Matematicko-fyzikalny casopis, no. 1, 1966, 45-52	
TOPIC TAGS: function theory, partial derivative	
ABSTRACT: The paper presents a proof of the equivalence of the definition of several property, a theorem on the Darboux property for functions of several particles are property of definitions of several property of definitions of several property of definitions of the definition of	on the parboux
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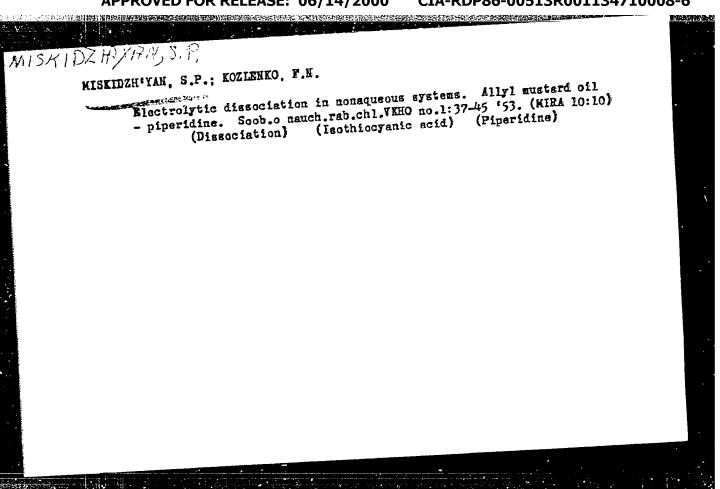


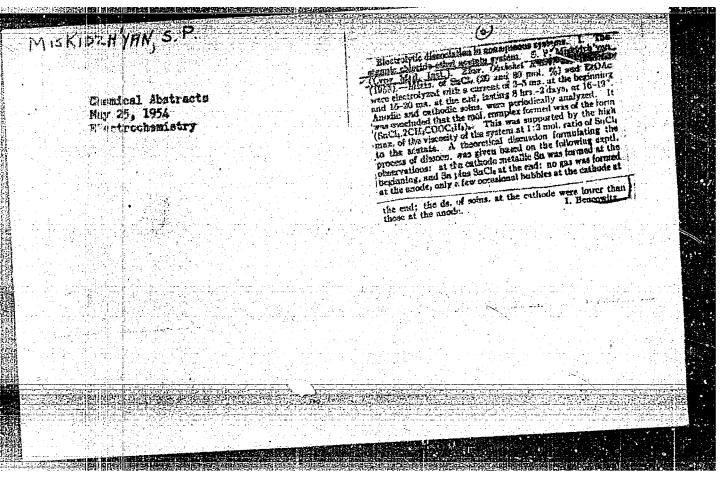


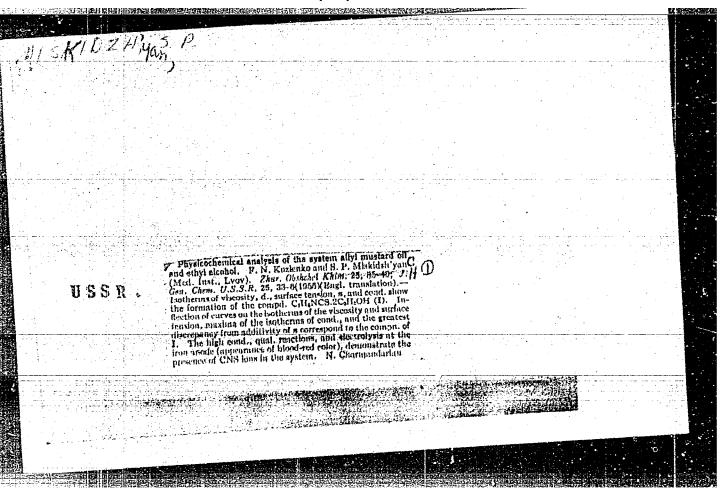


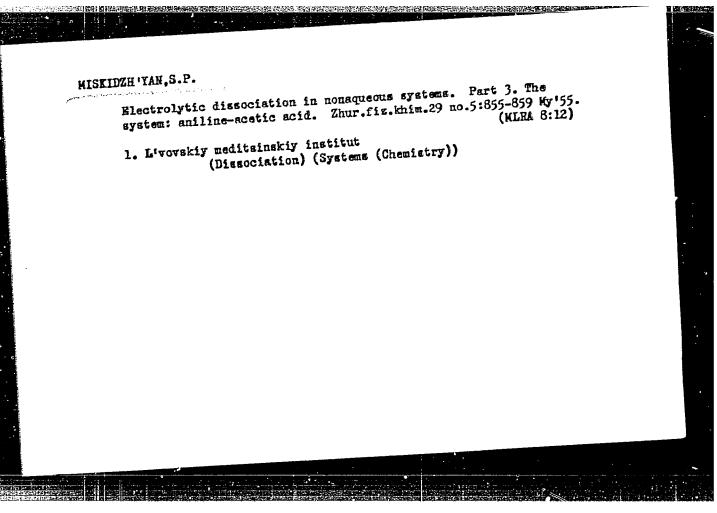




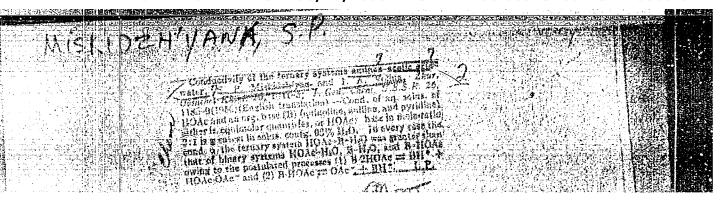


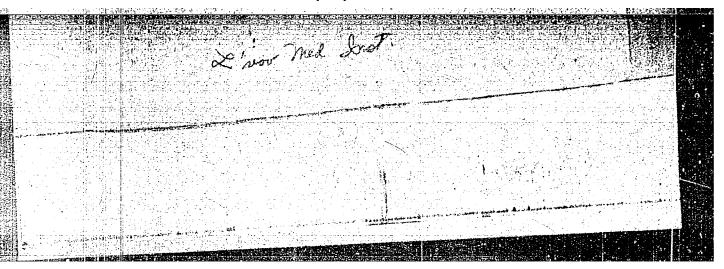


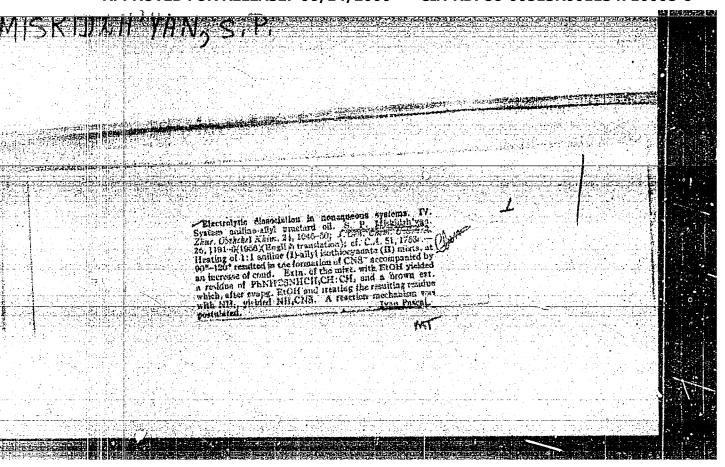




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Miskidzhyan S.P.

USSA/Inergodynamics - Thermochemistry. Equilibria.

B-8

Physical-Chemical Analysis. Phase Transitions.

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 18525

Author : S.F. Miskidzhyan, S.S. Kirilyuk.

Title : Study of Viscosity, Density and Electrical Conductivity

of Quinoline - Acetic Acid System.

Orig Pub : Zh. obshch. khimii, 1956, 26, No 5, 1350-1355

Abstract : The viscosity and density of the system quinolime (I) -

acetic acid (II) at 0 and 20° was measured, and the value of the temperature factor of viscosity was computed. The specific electrical conductivity of the system I - II - inert solvent (CH₃OH free of water) was measured at 20± 0 1° at isoconcentrates 2.0, 1.0, 0.1 and 0.01 M of I and II in methanol. It was found that the isoterms of viscosity and density have maxima corresponding to 33 mol. % of I; temperature drop makes the maxima sharper, but

does not shift them. The isoterms of the specific

Card 1/2 - 205 -

USS9/Thermodynamics - Thermochemistry. Equilibria.

B-8

Physical-Chemical Analysis. Fhase Transitions.

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 18525

electrical conductivity at 2.0 and 1.0 M show a maximum that also corresponds to the relation I: II = 1:2; a second maximum corresponding to the relation 1:1 appears on the isoterms of the specific electrical conductivity at the transition to isoconcentrates 0.1 and 0.01 M. The existence of compounds of the compositions $C_0H_0N.CH_2COOH$ and $C_0H_3N.2CH_3COOH$ in the system I - II

was deducted.

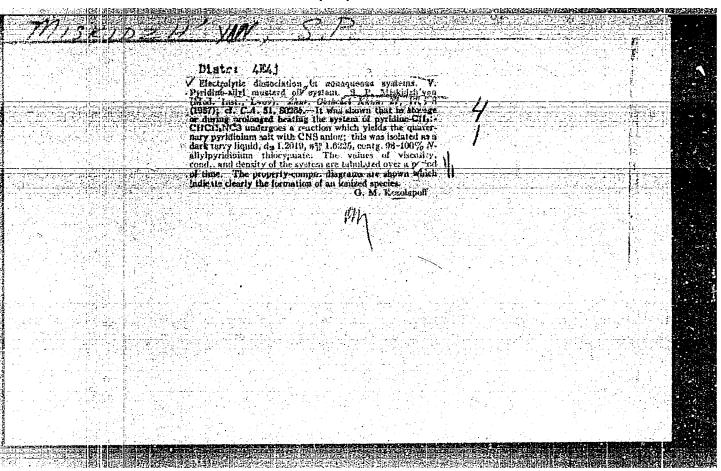
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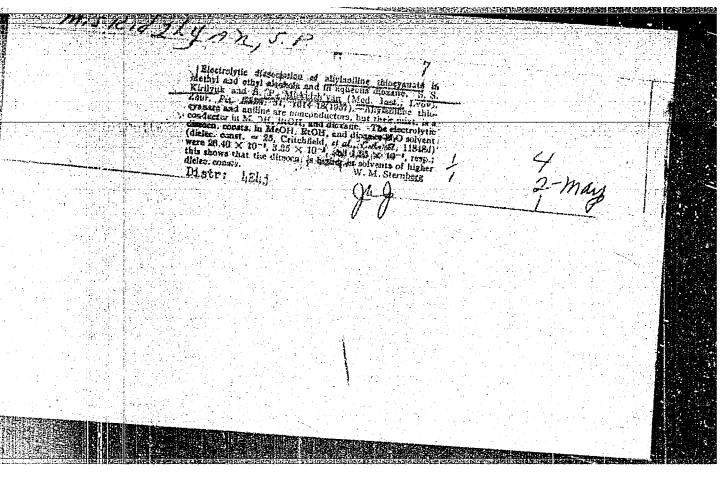
- 206 -

MIGKIDZH YAN, S.P.

Refractometric method for determining cordiamine. Apt.delo 6 no.1: 48-50 Ja-F *57. (MLRA 10:3)

l. Iz laboratorii fizicheskoy i kolloidnoy khimii Livovskogo meditsinskogo instituta.
(COMDIAMINE)





MISKIDZHYAN, S.P.

AUTHOR:

Miskidzh'yan, S. P.

79-1-61/63

TITLE:

Electrolytic Dissociation in Anhydrous Systems. (Elektroliticheskaya dissotsiatsiya v nevodnykh sistemakh) VI. The System Allyl-Mustard-Oil-o-Toluidine (VI. Sistema ellilovoye gorchichnoye maslo - o - toluidin)

PERIODICAL:

Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 1,pp.276-279(USSR)

ABSTRACT:

It is known that in the conversion of allyl mustard oil with amines substituted thioureas form which are no electrolytes (reference 1). But it was shown that the systems which are produced of allyl mustard oil and any aromatic amine conduct electric current well. This high conductivity is hard to explain when it is generally assumed that products of this conversion only consist of substituted thioureas. In some papers beside the substituted thiourea a thiocyanogen-hydrogenallyl-sesses a high electric conducticity. In these papers an elec-

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79-1-61/63
Electrolytic Dissociation in Anhydrous Systems. VI. The System Allyl-Mustard-Oil-o-Toluidine

trolytic dissociation mechanism was also suggested for these compounds whose anion in all these cases is SCM . The present paper gives the results of the investigation of the system allyl-mustard-oil - o - toluidine. The diagrams of all properties of this system unequivocally indicate that the components of the system enegetically react along each other under formation of allyl-o-toluidyl-thiourea. The isotherm of the specific conductivity according to data by the author has two maximum values and a minimum value with regard to this compound. Neither allyl mustard oil nor - o-toluidine nor allyl--o-toluidyl-thiourea as main products of the reacting components represent electrolytes. They are not capable of producing a high conductivity in the system. Thus it was obvious that in this system, like in systems earlier investigated by the author, simultaneously with the substituted thiourea thiocyanogen-hydrogen-allal-o-toluidine forms which is an electrolyte and produces the high conductivity of the solution. The investigations of similar systems can practically be of importance, as the thiocyanogen-hydrogen-allylamines represent salts of the ammonium bases which are in recent time

Card 2/3

Electrolytic Dissociation in Anhydrous Systems. VI. The System Allyl-Hustard-

auch used in medicine, because they possess bactericidal and ganglion-blocking properties. There are 2 figures, and 5 references, 4 of which are Slavic.

ASSOCIATION: L'voy Medical Institute

STORY OF STREET STREET, STREET,

(Evovskiy meditsinskiy institut)

SUBMITTED: December 10, 1956

AVAILABLE: Library of Congress

Card 3/3

1. Chemistry 2. Anhydrides-Systems-Conductivity

5(4) AUTHORS:

SOV /75-33-4-14/32 Borisevich, A. H., Miskidzh yan, S. P.

TITLE:

Investigation of the Constant of Electrolytic Dissociation of Allyl-o-toluidine Thiocyanate in Water-Alcohol Solutions (Issledovaniye konstanty elektroliticheskoy dissotsiatsii rodanistovodorodnogo allilortotoluidina v vodnospirtovykh

rastvoritelyakh)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Er 4, pp 840-843

(USSR)

ABSTRACT:

One of the authors synthesized a number of allyl thiocyanates (Refs 1, 2) which proved to be bactericidal and hypotensive substances. Since these substances are electrolytes it may be assumed that their above-mentioned properties are due to the ions into which they decompose. For this reason the dissociation constant (DC) of allyl aniline thiocyanate was determined already in various nonaqueous solvents (Ref 3). In the present case the (DC) of ally1-o-toluiding-thiocyanate (I) was determined in water (W), water-alcoholomixtures (WA) and absolute ethanol (E). These measurements are of importance also because the quantitative determinations of the allyl aminothiocyanates take place colorimetrically in (WA). The (DC) was measured

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according to the method of electrical conductivity and determin-

50V/76-33-4-14/32

Investigation of the Constant of Electrolytic Dissociation of Allyl-o-toluidine Thiocyanate in Water-Alcohol Solutions

ed by means of a normal Kohlrausch-bridge. The measurement results of the specific electrical conductivity of (I) in (W) (Table 1), in 50% (A) (Table 2), 90% (A) (Table 3), and absolute (A) (Table 4), show that the (DC) of (I) decreases with dilution of (A) (Table 5) i.e. the (DC) of (I) is reversely proportional to the (DC) of the medium. This deviation from the Nernst-Tomson rule (Ref 7) is explained by the formation of a new chemical compound between the dissolved substance and the solvent which rarely occurs in (WA) and which requires further investigations. There are 5 tables and 6 references, 7 of which are Soviet.

ASSOCIATION: L'vovskiy meditsinskiy institut (L'vov Medical Institute)

SWBMITTED: September 20, 1957

Card 2/2

5 · (4)
AUTHOR: Miskidzh yan, S. P. Sov/76-33-7-23/40

TITLE: Electrolytic Dissociation in Non-aqueous Systems. IX. The

System p-Anisidine - Allyl Mustard Oil

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 7, pp 1610 - 1613

(USSR)

ABSTRACT: The author investigated the reaction of allyl mustard oil (I)

with p-anisidine (II) with special regard to the viscosity, density, and electrical conductivity of the solution. It was found that a vigorous chemical reaction takes place between (I) and (II), and the thiocyanate ion could be colorimetrically determined in all mixtures of the system (I) + (II). The specific electrical conductivity of the solutions under investigation was measured at $60 \pm 0.5^{\circ}$. The last-mentioned measurement results as well as those concerning their viscosity (Table) indicate vigorous chemical reaction as well. For the purpose of investigating the influence exerted by temperature on the mixtures, the latter were heated to $100 \pm 5^{\circ}$ for 9 hours, and the SCN -concentration was determined. According to the pre-

vious experiments (Ref 1), the author found increasing SCN -

Card 1/2 concentration of mixtures with an excess of (I) after the

Electrolytic Dissociation in Non-aqueous Systems. SOV/76-33-7-23/40 IX. The System p-Anisidine - Allyl Mustard Oil

heating. All measurement results indicate that two parallel reactions occur when (I) is mixed with (II). The main reaction (94.7%) forms allyl p-anisidyl thiocarbaninate (III), while the side reaction produces allyl p-anisidine thiocyanate (IV). The two reaction products were separated and analyzed, (IV) being subjected to electrolysis on a device described in reference 1. According to the results of electrolysis, the author suggests a reaction scheme of the electrode process. There are 1 table and 3 Soviet references.

ASSOCIATION: L'vovskiy meditsinskiy institut (L'vov Medical Institute)

SUBMITTED: January 9, 1958

Card 2/2

sov/76-33-9-4/37

5(4) AUTHORS: Kirilyuk, S. S., Kiskidzh'yan, S. P.

TITLE

Physico-chemical Analysis of Current Conducting Non-aqueous Systems and Investigation Into the Electrolytic Dissociation Mechanism of the Compounds Formed Therein. II. The System

Allyl-isothiccyanate - Quinoline

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 9, pp 1918-1921

(USSR)

ABSTRACT:

It could be assumed in connection with experimental results of previous papers (Refs 2-4) that allyl-chinolrodanida will form during the mixing of allyl-isothiocyanate (I) with quinoline (II), which was proved by the present experiments. To line (II), which was proved by the present experiments. To investigate the character of the reaction between (I) and (II), the density, viscosity, electroconductivity (EC) and the concentration of the SCN-ions were measured at 20+0.10 before and after heating of the mixtures to 100+50 for 24 hours. The density was measured in a pycnometer and the viscosity in the closed viscosimeter. The isothermal lines of the density as well as of the viscosity of the reaction mixture after heating, well as of the viscosity of the components. It is assumed clearly indicate a reaction of the components. It is assumed that thereby a compound of the composition C₃H₅NCS.C₉H₇N (III)

Card 1/2

sov/76-33-9-4/37

Physico-chemical Analysis of Current Conducting Non-aqueous Systems and Investigation Into the Electrolytic Dissociation Mechanism of the Compounds Formed Therein. II. The System Allyl-isothiccyanate - Quincline

forms. According to the common method, the (EC) was measured in a closed container with non-platinized electrodes, and the presence of (III) which is an electrolyte, was determined by the considerable (EC) of the solution. (III) was extracted and the electrolytic dissociation was investigated. An electrolytic dissociation mechanism of (III) is mentioned on the basis of the results obtained. A paper by N. K. Voskresenskaya (Ref 1) is mentioned in the text. There are 3 figures and 6 Soviet references.

ASSOCIATION:

Livovskiy meditsinskiy institut (Livov Medical Institute)

SUBMITTED:

January 24, 1958

Card 2/2

50V/76-33-9-16/37

AUTHORS: Miskidzh'yan, S. P., Kozlenko, F. N., Volina, I. A.

TITLE: Electrolytic Dissociation in Nonaqueous Systems. X. The System

Allyl Mustard Oil - Piperidine

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 9, pp 2002-2006

(USSR)

ABSTRACT: The system allyl mustard oil - piperidine (I) was investigated

by N. S. Kurnakov and others (Ref 1) by different methods, and a vigorous reaction was found to take place among the components under the formation of allyl piperidyl thiourea (II). N. A. Trifonov (Ref 2) showed that the system (I) exhibits a noticeable electrical conductivity. It was shown (Ref 3) that electrical conductivity is not due to (II), but to the product of a side reaction, namely to thiocyanogen hydrogen allyl piperidine (III), in which connection the concentration of (III) rises considerably with heating. The present paper gives measuring results of the SCN-concentration (of (III)), of the specific electrical conductivity, of the viscosity of mixtures

depending upon the heating time, as well as data of an

Card 1/3 electrolysis of (III) (permitting statements to be made on the

sov/76-33-9-18/37

Electrolytic Dissociation in Monaqueous Systems. X. The System Allyl Kustard Oil - Piperidine

dissociation of (III)). Investigations were made by the measurement of the electromotive force (emf) of the system (I); potentiometric measurements were also made. The components of (I) were mixed after prior cooling and the SCN -concentration was immediately determined colorimetrically (Ref 4). Electrical conductivity rises with the SCN -concentration, and drops with heating despite rising SCN -concentration; this is explained by a rise in viscosity. A 40-45% solution of (III) was obtained by extraction; the solution was submitted to electrolysis with an earlier described apparatus (Ref 5). On the strength of data obtained, a reaction scheme is given for cathode and anode. The statement made by M. Dol (Ref 8) that glass electrodes are unsuitable for measurements in nonequeous solutions was confuted by N. A. Izmaylov et al (Refs 9-11), and F. N. Kozlenko (Ref 12). In the case under review, the enf was measured in a cell with a glass electrode (Fig 5) and a calomel electrode for comparison, in addition to a hydrogen electrode, and isotherms were compared (Fig 6). The diagrams are similar to those pertaining to the potenticmetric titration of a neutralization reaction. There are 6 figures and

Card 2/3

SOV/76-33-9-18/37
Electrolytic Dissociation in Nonaqueous Systems. X. The System Allyl Mustard Oil - Piperidine

12 Soviet references.

SUBMITTED:

February 24, 1958

Card 3/3

CIA-RDP86-00513R001134710008-6" APPROVED FOR RELEASE: 06/14/2000

KIRIYUK, S.S., MISKIDZH'YAN, S.P.

Physiocochemical analysis of conductive nonaqueous systems and mechanism of the electrolytic dissociation of the compounds formed in them. Part 3: The systems allyl mustard oil - diethylamine and allyl mustard oil - triethylamine. Izv.vys.ucheb.zav.; khim.i khim.tekh. 3 mustard oil - triethylamine. Izv.vys.ucheb.zav.; khim.i khim.tekh. 3 no.6:1002-1007 160.

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